DERWENT-ACC-NO: 1996-045316

DERWENT-WEEK: 199605

TITLE: Inhibitor of degradation of muco-polysaccharide, active oxygen inactivator and cosmetics - comprise super-oxide dismutase-like active oxygen removers obtd. from extract of flower petals

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PATENT-FAMILY:

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APPLICATION-DATA:

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ABSTRACTED-PUB-NO: JP 07309770A

BASIC-ABSTRACT:

Superoxide dismutase (SOD)-like active oxygen removers contg. at least one of extract of petals of flowers of 24 kinds of plants, and inhibitors of degradation of mucopolysaccharide contg. at least one of extract of petals of flowers of 42 kinds of plants including the preceding 24 kinds of plants. Cosmetics contg. at least one of the extracts of SOD-like active oxygen removers and inhibitors of degradation of mucopolysaccharide.

Petals of flowers of 42 plants (e.g. rose, peach, Japanese apricot, Thunberg spirea, sasanqua camellia, common camellia, torch azalea, kobus magnolia,

yulan
magnolia, Chinese paeony, carnation, snapdragon, daisy, dandelion, Japanese wisteria, Chinese cabbage, common stock, hollyhock, shrub althea, cotton-rose hibiscus, common hydrangea, common crape myrtle and sweet-scented oleander) are
extracted with water and/or lower alcohols (e.g. MeOH, EtOH and PrOH) and the extract is added in various bases (e.g. soln., emulsion, ointment, oil, wax, sol, gel and powder) including cosmetics and external prepns..

USE/ADVANTAGE - Inhibitors of degradation of mucopolysaccharide, active oxygen
removers and cosmetics. Prevention of ageing due to degradation of mucopolysaccharides with active oxygen and UV ray.

In an example, extracts of petals of flowers were tested for the inhibition of degradation of hyaluronic acid in ascorbic acid-Fe and H2O2-Fe systems at 10 and 0.1 mg/ml, respectively. Extract of pink rose showed inhibitory rate of 86.1 and 37.2%, respectively. Crape myrtle showed corresp. rate of 89.6 and 38.1%, respectively.

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: B04 D21

CPI-CODES: B04-A08C2; B04-A10; B14-D09; B14-R01; B14-S08; D08-B;